# Use Attainability Analysis

for

WBID 3608 Trib. to N. PR. Jack's Fk (Pine Branch)

Submitted by Missouri Department of Natural Resources Staff

To Missouri Department of Natural Resources Water Protection Program

Date Received: July 18, 2005

# Data Sheet A - Water Body Identification

Water Body Name (from USGS 7.5' quad): the Jacks Fork; Pine Branch	Tributary to North Prong of
8-digit HUC: 11010008	
Missouri WBID #: 3608	JUL 1 1/2005
County: Howell	No Section
Upstream Legal Description: SE1/4 NE1/4 Sec.12	T.28N., R.8W.
Downstream Legal Description: NW1/4 SE1/4 Sec.1	3 T.28N., R.8W.
Upstream Coordinates: N. 37.11782 W. 91.765	37
Downstream Coordinates: N. 37.09653 W. 91.76	693
Discharger Facility Name(s): NA	
Discharger Permit Number(s): NA	
Number of Sites Evaluated: 3	
Name of Surveyor and Telephone Number: Dennis M	. Meinert (314) 416-2960
Organization: Department of Natural Resources,	SWCP
Position: Soil Scientist	
I the undersigned hereby affirm to the heat o	f my knowledge that all

I, the undersigned, hereby affirm to the best of my knowledge, that all information reported on this UAA datasheet is true and accurate.

#### Data Sheet B - Site Characterization

Missouri WBID #:	WB3608-01 S	ite Loca	tion Descr	iption: SE	1/4 NE1/4 Sec	.12 T.	28N., R.8W.	
Site GPS Coordina	ates: N. 37.1178	2 W.	91.76537					
Date & Time: 6/20	8/05 4:00 pm		Pacility :	Name: NA				
Personnel: Dave I	Dowdy, Dennis Me	inert	Permit Nu	mber: NA				
Current Weather	Conditions: Partly	Cloudy	Weather C	onditions:	for Past 7 days	: Scat	tered showers	
hoto Ids: Upst:	ream: WBU3608-01	Downsti	ream: WBD3(	08-01	Other:			
Uses Observe	d*:							
Swimming	Skin Diving	Scul	ba diving	Tubing		Water	r skiing	
Wind surfing	Kayaking	Boa	ting	Wading	-	Raft	ing	
Hunting	Trapping	Fis	hing	I_ None	of the above Oth		erı	
vidence of recr	eational uses, et		. octoberny	rrequency	or any passe		entation of	
Surrounding	Conditions*: (	Mark all	l that pro	omote or i				
Surrounding	Conditions*: (	Mark all	that pro	omote or i	mpede recreat	ional		
Surrounding photos of evic	Conditions*: (dence or unusua)	Mark all	that pro	omote or i	mpede recreat	ional	uses. Attach	
Surrounding photos of evic	Conditions*: (dence or unusual	Mark all items	that proof intere	omote or i st.) ration lands	mpede recreat	ional	uses. AttachCampgroundsStairs/walkway	
Surrounding photos of evic City/county par Boating access	Conditions*: () dence or unusual rks Playgroun es State par gn Fence	Mark all items	that proof intere	omote or i st.) ration lands	mpede recreat	ional	uses. AttachCampgroundsStairs/walkwa	

Roads	Foot paths/prints	Dock/platform	Livestock Watering	_X_ RV / ATV Tracks
Rope swing	Camping Sites	Fire pit/ring	NPDES Discharge	Fishing Tackle
Others				

Site Locations Map(s): Attach a map of entire segment with assessment sites clearly labeled. Mark any other items that may be of interest. (Include photographs)

\*Some of this information is not intended to directly influence a decision on any one particular recreational use analysis but may point to conditions that need further analysis or that effect another use.

#### Data Sheet B - Site Characterization

Page Two - WBID #: WB3608-01

#### Stream Morphology:

Upstream View Physical Dimensions:

Riffle	Width (ft): 5	Length (ft):	49' Avg. Depth (ft): 1"	Max. Depth (ft): 2"
Run	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
Pool	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
Flow	Present?	Yes No	Estimated (ft3/sec):	

#### Downstream View Physical Dimensions:

Riffle	Width (ft):	Length	(ft):	Avg.	Depth	(ft):	Max.	Depth	(ft):	
Run	Width (ft):	Length	(ft):	Avg.	Depth	(ft):	Max.	Depth	(ft):	
Pool	Width (ft):	9' Length	(ft): 52'	Avg.	Depth	(ft): 15"	Max.	Depth	(ft):	29"
Flow	Present?	Yes 1	ło	Estin	sated (	(ft3/sec):				

#### Substrate\*: (These values should add up to 100%.)

70% Cobble	30% Gravel	% Sand	% Silt	% Mud/Clay	% Bedrock
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Aquatic Vegetation\*: (note amount of vegetation or algal growth at the assessment site)

20% aquatic vegetation on gravel bars.

#### Water Characteristics\*: (Mark all that apply.)

Surface Deposit:	011	Soum	Foam	None	Others
Bottom Deposit:	Sludge	Solids	Fine sediments	None	Others
Colors	Clear	Green	Gray	Milky	Others
Odors	Sewage	Musky	Chemical	None	Other:

Comments: Water from riffle goes under gravel before it enters pool, Minnows observed.

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I, the undersigned, hereby affirm to the best of my knowledge, that all information reported on this UAA datasheet is true and accurate.

Signed: De	nnis m. meiner	Date:	06/28/05
Organization:	Department of Natural Resource	S SWCP	
Position:	Soil Scientist		

WBID 3608 – Downstream #1



WBID 3608 – Upstream #1



# Data Sheet B - Site Characterization

(A separate data sheet must be completed for each site)

Missouri WBID #:	WB3608-02 8	ite Location	n Descript	ion: NE1	/4 SE1/4 SEC	.12 T.	28N. R.8W.
Site GPS Coordin	ates: N 37.11131	W 91.762	279				
Date & Time: 6/2	8/05 2:35 pm	Tac	cility Nam	ie: NA			
Personnel: John	Morton, Leon Tho	apson Per	rmit Numbe	EI NA			
Current Weather	Conditions:Partly	Cloudy Wes	ather Cond	itions f	or Past 7 da	ys: So	attered showers
Photo Ids: Upst	ream: WBU3608-02	Downstream	a: WBD3608	-02	Other: WBE3	608-02	
Uses Observe	d*:						
Swimming	Skin Diving	Scuba d	living _	Tubing		Wa	ter skiing
Wind surfing	Kayaking	Boating		Wading		Ra	fting
Hunting	Trapping	Fishing		I Mone o	f the above	Ot	heri
	de number of indi- eational uses, et		reating, f	requency	of use, phot	co-doct	umentation of
Surrounding		mark all th	hat promo	te or in			
Surrounding	Conditions*: (dence or unusua)	Mark all th	hat promo	te or in		ationa	
Surrounding photos of evi	Conditions*: ( dence or unusua)	Mark all the items of the Moo	hat promo interest	te or in	mpede recre	ationa	il uses. Attach
Surrounding photos of evi	Conditions*: ( dence or unusual  arks Playgroun  ses State par	Mark all the items of the Mark all the Mark	hat promo interest	te or in	mpede recre	ationa ress	L uses. Attach  Campgrounds  Stairs/walkway
Surrounding photos of evi City/county pa	Conditions*: ( dence or unusual urks Playgroun les State par	Mark all the items of the Mark all the Mark	hat promo interest conservati	te or in	mpede recre	ationa ress	L uses. Attach  Campgrounds  Stairs/walkway
Surrounding photos of evi City/county ps Boating access No trespass si Evidence of	Conditions*: ( dence or unusual urks Playgroun les State par	Mark all the items of the Mark all the steel t	hat promo interest conservati	te or in	mpede recre	ations ress trails Private	L uses. Attach  Campgrounds  Stairs/walkway
Surrounding photos of eviCity/county peBoating access No trespass si	Conditions*: ( dence or unusual urks Playgroun urks State par ugn Fence Human Use*:	Mark all the items of the mark all the steems of the mark all the items of the item	hat promo interest conservati ional fores	te or in.) on lands	Urban as Nature t X_ Other: 1	ations ress trails Private	CampgroundsStairs/walkway

Site Locations Map(s): Attach a map of entire segment with assessment sites clearly labeled. Mark any other items that may be of interest. (Include photographs)

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#### Data Sheet B - Site Characterization

Page Two - WBID #: WB3608-02

# Stream Morphology:

Upstream View Physical Dimensions:

Riffle	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
Run	Width (ft): 60'	Length (ft): 102'	Avg. Depth (ft): 12*	Max. Depth (ft): 22*
Pool	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
Flow	Present? Ye	n No	Estimated (ft3/sec):	

Downstream View Physical Dimensions:

Riffle	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
Run	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
Pool	Width (ft): 30'	Length (ft): 159'	Avg. Depth (ft): 4"	Max. Depth (ft): 12"
Flow	Present? Yes	No	Estimated (ft3/sec):	

Substrate\*: (These values should add up to 100%.)

30% Cobble	70% Gravel	* Sand	* Silt	* Mud/Clay	* Bedrock
304 CODDIE	FOR GENERAL	a Dance		a stand ormit	* Dedicate

Aquatic Vegetation\*: (note amount of vegetation or algal growth at the assessment site)

50% algae growth on rocks

Water Characteristics\*: (Mark all that apply.)

Odori	Sewage	Musky	Chemical	None	Others
Color:	Clear	Green	Gray	Milky	Other:
Bottom Deposit:	Sludge	Solids	Fine sediments	None	Other:
Surface Deposit:	Oil	Scun	Youn	Mone	Others

Comments: Beaver damming on upstream pool. Minnows and crayfish observed.

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signed: In Math	Date:	06/28/05	
Organization: Department of Natural Resource	es SWCP		

Position: Soil Scientist\_\_\_\_\_

WBID 3608 – Downstream #2







## Data Sheet B - Site Characterization

(A separate data sheet must be completed for each site)

	r WB3608-03 S	ation Descrip	ption: NW:	L/4 SE1/4 Se	c.13	T.28N., R.8W.	
Site GPS Coordi	nates: N. 37.0965	3 W.	91.76693				
Date & Time: 6/	28/05 2:55 pm		Pacility Na	une: NA			
Personnel: Denn	is Meinert, Dave D	owdy	Permit Numb	er: NA			
Current Weather	Conditions: Partly	Cloudy	Weather Cor	ditions f	or Past 7 day	s: Sc	attered showers
Photo Ids: Ups	pmam: WBU3608-03	Downst	ream: WBD360	8-03	Other:		
Uses Observ	ed*:						
Swimming	Skin Diving	Scu	ba diving	Tubing		Wa	ter skiing
Wind surfing	Kayaking	Bos	ting	Wading		Ra	fting
Hunting	Trapping	Fis	hing	I None o	f the above	Other:	
	ude number of indiv reational uses, et		recreating,	frequency	of use, phot	o-doci	umentation of
Surrounding		Mark al	1 that prom	ote or in			324 300 20
Surrounding	Conditions*: ()	Mark al	1 that prom	ote or in		tiona	324 300 20
Surrounding	Conditions*: () idence or unusual	Mark al items	1 that prom of interest	ote or in	mpede recrea	tiona	al uses. Attach
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Surrounding photos of ev:City/county pBoating accessNo trespass s	Conditions*: () idence or unusual arks Playgroun ses State par	Mark al items	l that prom of interest MDC conservat	ote or in	mpede recrea	tiona mas rails	al uses. Attach
Surrounding photos of ev:City/county pBoating acces	Conditions*: () idence or unusual arksPlaygroun sesState par ignFence	Mark al items ds	l that prom of interest MDC conservat	ote or in	mpede recrea	tiona mas rails	al uses. Attach
Surrounding photos of ev:City/county pBoating accessNo trespass a Evidence of	Conditions*: () idence or unusual arks Playgroun ses State par ign Fence Human Use*:	Mark al items	l that prom of interest MDC conservat National fore Steep slopes	ote or in	Urban ar Nature t X_ Other: N	tiona mas rails	al uses. Attach Campgrounds Stairs/walkwa

Site Locations Map(s): Attach a map of entire segment with assessment sites clearly labeled. Mark any other items that may be of interest. (Include photographs)

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Field Data Sheet for Recreational Use Stream Surveys

#### Data Sheet B - Site Characterization

Page Two - WBID #: WB3608-03

#### Stream Morphology:

Upstream View Physical Dimensions:

Riffle	Width (ft):	19' Length (ft):	2  Avg. Depth (ft): 2' Max. Depth (ft): 3'
Run	Width (ft):	Length (ft):	Avg. Depth (ft): Max. Depth (ft):
Pool	Width (ft):	Length (ft):	Avg. Depth (ft): Max. Depth (ft):
Flow	Present?	Yes No	Estimated (ft3/sec):

Downstream View Physical Dimensions:

Flow	Presen	t?	Yes	No	0	Estin	nated	ft3/se	ec):			
Pool	Width	(ft):	35'	Length	(ft):230'	Avg.	Depth	(ft):	9"	Max.	Depth	(ft):2'
Run	Width	(ft):		Length	(ft):	Avg.	Depth	(ft):		Max.	Depth	(ft):
Riffle	Width	(ft):		Length	(ft);	Avg.	Depth	(ft):		Max.	Depth	(ft):

Substrate\*: (These values should add up to 100%.)

30% Cobble	70% Gravel	* Sand	% Silt	% Mud/Clay	* Bedrock
 eas comment	1, 7, 9, 7, 1, 50, 8, 50, 5, 40, 60,		7.04.4	a traditional	- Dear our

Aquatic Vegetation\*: (note amount of vegetation or algal growth at the assessment site)

None				

Water Characteristics\*: (Mark all that apply.)

Odors	Sewage	Munky	Chemical	None	Others	
Colori	Clear	Green	Gray	Nilky.	Others	
Bottom Deposit:	Sludge	Solids	Fine sediments	None	Others	
Surface Deposit:	011	Scun	Foan	None	Others	

Comments: Small snails, minnows and crayfish observed.

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Signed:	ennis M.	meineto	Date:	06/28/05	
Organization	Department of	of Natural Resource	8 SWCP		
Position:	Soil Scient:	ist			

WBID 3608 – Downstream #3



WBID 3608 – Upstream #3



# STREAM NAME

# Pine Branch

РНОТО	WBID	UP	DOWN	USE	COMMENTS
1	3608	X		No use	Riffle
2	3608		X	No use	Pool
3	3608	X		No use	Pool
4	3608		X	No use	Pool
5	3608			Gravel mining	
6	3608	Х		No use	Riffle
7	3608		X	No use	Pool
8					
9					
10					
11					
12					
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14					
15					
16					
17					
18					
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